

CS 162 Section 9

Short Answer

1. What does ACID stand for? Explain each of them.
2. What are types of possible conflicts in an execution of multiple transactions? Express your answer in terms of Read and Writes.
3. Two schedules are conflict equivalent if and only if:

b. (7 points total) Consider the following schedule of four transactions:

T1:	R(B)	R(A)	W(A)		W(D)
T2:			W(B)		
T3:				W(A)	
T4:	W(C)				W(A)

- i) (4 points) Draw the dependency graph for this schedule.
- ii) (3 points) Is this schedule serializable? If so, give a possible serial schedule. Otherwise, explain why not.

